

02-09-01

PTO/SB/05 (08-00)

Approved for use through 10/31/2002. OMB 0651-0032

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

VELCP008X1C

First Inventor

Behrooz REZVANI

Title

Method and Apparatus for Channel Estimation for X-DSL Communications

Express Mail Label No.

EK802270095US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 25]  
(preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 6] Figs 1-6

5. Oath or Declaration unsigned [Total 3] yes
- a. ☐ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 17 completed)

- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement of Power of  
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS  
Citations #
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☒ Other: Request and Certification Under  
35 U.S.C. 122(b)(2)(B)(i)

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No. 09/757,036

Prior application information

Examiner

Group I Art Unit

**For CONTINUATION OR DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

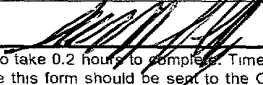
**18. CORRESPONDENCE ADDRESS**

☐ Customer Number or Bar Code Label

or ☒ Correspondence address below

(Insert Customer No. or Attach bar code label here)

Name		CARY & KELLY, LLP			
Address		ATTN: Charles C. Cary			
		1875 Charleston Road			
City	Mountain View	State	California	Zip Code	94043
Country	United States	Telephone	(650) 316-4011	Fax	(650) 316-4013

Name (Print/Type)	Charles C. Cary	Registration No. (Attorney/Agent)	36,764
Signature		Date	Feb 7, 2001

Burden Hour Statement. This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT (\$)

355

## Complete if Known

Application Number	n/a
Filing Date	Feb 7, 2001
First Named Inventor	Behrooz REZVANI
Examiner Name	n/a
Group Art Unit	n/a
Attorney Docket No.	VELCP008X1C

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to.

Deposit Account Number 50-1338

Deposit Account Name CARY & KELLY, LLP

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 710	201 355	Utility filing fee	\$355
106 320	206 160	Design filing fee	\$0
107 490	207 245	Plant filing fee	
108 710	208 355	Reissue filing fee	
114 150	214 75	Provisional filing fee	

SUBTOTAL (1) (\$)

355

### 2. EXTRA CLAIM FEES

Total Claims 17  
Independent Claims 2  
Multiple Dependent 0

Extra Claims  
-20 = -3 x \$18 = \$0  
-3 = -1 x \$80 = \$0  
0 = \$0

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 80	202 40	Independent claims in excess of 3
104 270	204 135	Multiple dependent claim, if not paid
109 80	209 40	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

0

\*\*or number previously paid, if greater, For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	\$0
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	\$0
139 130	139 130	Non-English specification	\$0
147 2,520	147 2,520	For filing a request for ex parte reexamination	\$0
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	\$0
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	\$0
115 110	215 55	Extension for reply within first month	\$0
116 390	216 195	Extension for reply within second month	\$0
117 890	217 445	Extension for reply within third month	\$0
118 1,390	218 695	Extension for reply within fourth month	\$0
128 1,890	228 945	Extension for reply within fifth month	\$0
119 310	219 155	Notice of Appeal	\$0
120 310	220 155	Filing a brief in support of an appeal	\$0
121 270	221 135	Request for oral hearing	\$0
138 1,510	138 1,510	Petition to institute a public use proceeding	\$0
140 110	240 55	Petition to revive - unavoidable	\$0
141 1,240	241 620	Petition to revive - unintentional	\$0
142 1,240	242 620	Utility issue fee (or reissue)	\$0
143 440	243 220	Design issue fee	\$0
144 600	244 300	Plant issue fee	\$0
122 130	122 130	Petitions to the Commissioner	\$0
123 50	123 50	Petitions related to provisional applications	\$0
126 240	126 240	Submission of Information Disclosure Stmt	\$0
581 40	581 40	Recording each patent assignment per property (times number of properties)	\$0
146 710	246 355	Filing a submission after final rejection (37 CFR § 1.129(a))	\$0
149 710	249 355	For each additional invention to be examined (37 CFR § 1.129(b))	\$0
179 710	279 355	Request for Continued Examination (RCE)	\$0
169 900	169 900	Request for expedited examination of a design application	\$0

Other fee (specify)

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

0

## SUBMITTED BY

Name (Print/Type) Charles C. Cary  
Signature

Registration No (Attorney/Agent) 36,764

## Complete (if applicable)

Telephone (650) 316-4011

Date Feb 7, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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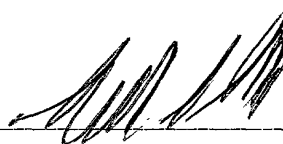
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<b>REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)</b>	First Named Inventor	REZVANI et al.
	Title	Method and Apparatus for Channel Estimation for X-DSL Communications
	Atty Docket Number	VELCP008X1C

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

02/07/01

Date



Signature

Charles C. Cary

Typed or printed name

REGISTRATION NO. 36,764

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement. This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Washington, DC 20231.